

GILA RIVER BASIN

09479200 QUEEN CREEK TRIBUTARY AT APACHE JUNCTION, AZ

LOCATION.--Lat 33°24'13", long 111°32'27", NE¹/₄SW¹/₄ sec.21, T.1 S., R.8 E., Pinal County, Hydrologic Unit 15050100, at eastbound lane of U.S. Highway 60, 0.6 mi southeast of Apache Junction.

DRAINAGE AREA.--0.51 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1961	08-18-61	179		1971	09-30-71	262	
1962	11-21-61	39		1972	00-00-72	0	
1963	08-17-63	46		1973	10-18-72	109	
1964	09-14-64	74		1974	07-07-74	22	
1965	08-17-65	1.7		1975	09-05-75	54	
1966	08-30-66	126		1976	07-24-76	176	
1967	07-11-67	42		1977	00-00-77	0	
1968	08-03-68	70		1978	00-00-78	0	
1969	09-16-69	19		1979	00-00-79	0	
1970	09-05-70	137					

Magnitude and probability of instantaneous peak flow based on period of record 1961-79

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2†	5†	10†	25†	50†	100†
50%	20%	10%	4%	2%	1%
52.5	120	179	269	346	431
Weighted skew	(logs) =	-0.31			
Mean	(logs) =	1.70			
Standard dev.	(logs) =	0.45			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
76.2	1.4	1,760	0.0	1.0	10.5	1.6	3.6

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